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PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0035
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53 (b))

Attorney Docket No. CSCO-009/4342

First Inventor BANGOLAE et al

Title Reducing Overhead When Using Loopback Cells for Fault Detection in Bi-Directional Virtual Circuits

Express Mail label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)

(Submit an original and a duplicate for fee processing)

2. ☐ Applicant claims email status.

See 37 CFR 1.27.

3. ☒ Specified arrangement set forth below ☐ Total Pages 25

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the disclosure

4. ☐ Drawing(s) (35 U.S.C. 113) ☐ Total Sheets 45. Oath or Declaration ☐ Total Pages 3a. ☒ Newly executed (original or copy)b. ☐ Copy from a prior application (37 CFR 1.63(d))

(for continuation/divisional with Box 17 completed)

i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet. See 37 CFR 1.76**ADDRESS TO:**Assistant Commissioner for Patents
Box Patent Application
Washington, DC 202317. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ paperc. ☐ Statements verifying identity of above copies**ACCOMPANYING APPLICATION PARTS**9. ☒ Assignment Papers (cover sheet & document(s))10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney11. ☐ English Translation Document (if applicable)12. ☐ Information Disclosure Statement (IDS) PTO-1449 ☐ Copies of IDS Citations13. ☐ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)16. ☒ Other: (1) Request and Certification under 35 U.S.C. 122(b)(2)(B)(i) (2) Credit card payment Form

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.:

Prior application information: Examiner

Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label

(Insert Customer No. or Address Bar Code Label Here)

or ☐ Correspondence address below

26392

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Narendra R. Thappeta

Registration No. (Attorney/Agent)

41,416

Signature

Naren Thappeta

Date

August 6, 2001

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08/09/01

J1046 U.S. PTO

J-978 U.S. PTO
09/924722

FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

Complete if Known

| | | | |
|-------------------------|--|-----------------------|--|
| TOTAL AMOUNT OF PAYMENT | | (\$) 1048.00 | |
| Application Number | | | |
| Filing Date | | | |
| First Named Inventor | | BANGOLAE <i>et al</i> | |
| Examiner Name | | | |
| Group/Art Unit | | | |
| Attorney Docket No. | | CSCO-009/4342 | |

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number **20-0574**

Deposit Account Name **Law Firm of Naren Thappeta**

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2. ☒ Payment Enclosed:

☐ Check ☐ Money Order ☒ Other Credit Card

FEE CALCULATION

| 1. BASIC FILING FEE | | | | | |
|-----------------------|-----------------------|----------|----------|------------------------|-----------|
| Large Entity Fee Code | Small Entity Fee Code | Fee (\$) | Fee (\$) | Fee Description | Fee Paid |
| 106 710 | 201 | 355 | | Utility filing fee | \$ 710.00 |
| 106 320 | 206 | 160 | | Design filing fee | |
| 107 490 | 207 | 245 | | Plant filing fee | |
| 108 710 | 208 | 355 | | Reissue filing fee | |
| 114 150 | 214 | 75 | | Provisional filing fee | |
| SUBTOTAL (1) (\$) | | | | | 710.00 |

2. EXTRA CLAIM FEE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 32 | -20**= 12 | X 18 | = 216.00 |
| Independent Claims | -3**= 1 | X 80 | = 80.00 |
| Multiple Dependent | | | |

**for number previously paid, if greater; For Reissues, see below

| Large Entity Fee Code | Small Entity Fee Code | Fee (\$) | Fee (\$) | Fee Description | Fee Paid |
|-----------------------|-----------------------|----------|----------|--|----------|
| 103 18 | 203 | 9 | | Claims in excess of 20 | |
| 102 80 | 202 | 40 | | Independent claims in excess of 3 | |
| 104 270 | 204 | 135 | | Multiple dependent claim, if not paid | |
| 109 80 | 209 | 40 | | **Reissue independent claims over original patent | |
| 110 18 | 210 | 9 | | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) (\$) | | | | | 296.00 |

3. ADDITIONAL FEES

| Large Entity Fee Code | Small Entity Fee Code | Fee Description | Fee Paid |
|-----------------------------------|-----------------------|--|----------|
| 105 130 | 205 | 65 Surcharge - late filing fee or oath | |
| 127 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet. | |
| 139 130 | 139 130 | Non-English specification | |
| 147 2,520 | 147 2,520 | For filing a request for reexamination | |
| 112 920* | 112 920* | Requesting publication of SIR prior to Examiner action | |
| 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | |
| 115 110 | 215 | 55 Extension for reply within first month | |
| 116 390 | 216 | 195 Extension for reply within second month | |
| 117 890 | 217 | 445 Extension for reply within third month | |
| 118 1,390 | 218 | 695 Extension for reply within fourth month | |
| 128 1,690 | 228 | 945 Extension for reply within fifth month | |
| 119 310 | 219 | 155 Notice of Appeal | |
| 120 310 | 220 | 155 Filing a brief in support of an appeal | |
| 121 270 | 221 | 135 Request for oral hearing | |
| 138 1,510 | 138 1,510 | Petition to institute a public use proceeding | |
| 140 110 | 240 | 55 Petition to revive - unavoidable | |
| 141 1,240 | 241 | 620 Petition to revive - unintentional | |
| 142 1,240 | 242 | 620 Utility issue fee (or reissue) | |
| 143 440 | 243 | 220 Design issue fee | |
| 144 600 | 244 | 300 Plant issue fee | |
| 122 130 | 122 130 | Petitions to the Commissioner | |
| 123 50 | 123 50 | 50 Petitions related to provisional applications | |
| 126 240 | 126 240 | Submission of Information Disclosure Stmt | |
| 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | \$ 40.00 |
| 146 710 | 246 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 710 | 249 355 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| Other fee (specify) _____ | | | |
| Other fee (specify) _____ | | | |
| *Reduced by Basic Filing Fee Paid | | | |
| SUBTOTAL (3) (\$) | | | 40.00 |

SUBMITTED BY

| | | | | | |
|-------------------|-----------------------|-----------------------------------|----------------|-----------|---------------------|
| Name (Print/Type) | Narendra R. Thappeta | Registration No. (Attorney/Agent) | 41,416 | Telephone | +1(510)342-2519x580 |
| Signature | <i>Naren Thappeta</i> | Date | August 6, 2001 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization of PTO-2038.

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**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

| | | |
|----------------------|--|--|
| First Named Inventor | BANGOLAE <i>et al</i> | |
| Title | Reducing Overhead When Using Loopback Cells for Fault Detection in Bi-Directional Virtual Circuits | |
| Atty Docket Number | CSCO-009/4342 | |

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

August 6, 2001

Date

Narendra Thappeta
Signature

Narendra R. Thappeta

Typed or printed name

Attorney Registration No.: 41,416

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.